

In the Claims:

1. (currently amended) Device A device for transdermal administration of active substances, ~~having comprising~~ a back layer and an active substance-containing reservoir connected to said back layer, wherein said device has a thereto, characterized in that the skin-facing contact surface ~~on a side facing the skin, said skin-facing contact surface of the device has~~ comprising a plurality of needle-shaped microprotrusions ~~which are suitable for penetrating into the skin and [[whose]] having a longitudinal contour having at least [[has]] one or more undercuts undercut for rendering that render~~ extraction of the plurality of protrusions from the skin more difficult and [[fix]] for fixing the device on the skin.

2. (currently amended) Device The device according to claim 1, wherein said characterised in that it has a plurality of microprotrusions wherein said structures are configured as a plurality of barbs, and wherein each of said microprotrusions comprises at least having one barb or more of such barbs.

3. (currently amended) Device The device according to claims claim 1, wherein said characterised in that it has a plurality of microprotrusions [[which]] are helically configured and rotatably arranged, and which thereby, upon application of a rotating movement, to facilitate penetration into the skin and effect to affect anchorage in the skin by applying a rotating movement onto said plurality of microprotrusions.

4. (currently amended) Device The device according to claim 3, wherein characterised in that the rotary drive is effected by micromechanical actuators cause the rotating movement of said rotatable microprotrusions.

5. (currently amended) Device The device according to claim 1, wherein any one of the preceding claims, characterized in that the at least two of said microprotrusions, or at least several of the microprotrusions, are fixed in the active substance-containing reservoir.

6. (currently amended) Device The device according to claim 1, wherein any one of the preceding claims, characterized in that the at least two of said microprotrusions, or at least several of the microprotrusions, are connected with the back layer.

7. (currently amended) Device The device according to claim 1, wherein any one of the preceding claims, characterized in that the at least two of said microprotrusions, or at least several of the microprotrusions, are configured as hollow needles.

8. (currently amended) Device The device according to claim 1, wherein said device comprises an adhesive polymer matrix any one of the preceding claims, characterised in that on the skin side it has an adhesive polymer matrix which is preferably arranged such that it is coextensive with the plane of the microprotrusions.

9. (currently amended) Device The device according to claim 8, wherein characterised in that the microprotrusions protrude from the plane of the polymer matrix layer by, on average, less than 300 µm on average.

10. (currently amended) Device The device according to claim [[8 or]] 9, wherein characterised in that the adhesive polymer matrix also at the same time constitutes the active substance reservoir and contains at least one or more active substances substance, optionally in combination with at least one or more auxiliary agents agent.

11. (currently amended) Device The device according to claim 1, wherein said device any one of the preceding claims, characterised in that it contains at least one or more active substances substance which [[is/are]] is selected from the groups group consisting of [[the]] peptides, proteins, oligonucleotides and polynucleotides.

12. (currently amended) Device The device according to claim 1, wherein said device any one of the preceding claims, characterised in that it contains at least one or more vaccines preferably vaccine selected from the group comprising consisting of bacteria, viruses, bacterial toxoids, oligonucleotides, [[and]] polynucleotides and as well as genetically engineered antigens.

13. (currently amended) [[Use]] A use of a device according to claim 1 any one of the preceding claims for transdermal administration of active substances or vaccines to a human or animal body.

14. (currently amended) [[Use]] The use according to claim 13, wherein characterised in that the active substances or vaccines are selected from the group comprising consisting of peptides, proteins, oligonucleotides, polynucleotides, bacteria, viruses, inactivated viruses, bacterial toxoids, oligonucleotides, [[and]] polynucleotides and as well as genetically engineered antigens.